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Ferman, L., Collewijn, H., Jansen, T.C. and Van den Berg, A.V. Human gaze stability in the horizontal, vertical and torsional direction during voluntary head movements, evaluated with a three-dimensional scleral induction coil technique 27: 811.
Ferman, L., Collewijn, H. and Van den Berg, A.V. A direct test of Listing's law--I. Human ocular torsion measured in static tertiary positions 27: 929.
Ferman, L., Collewijn, H. and Van den Berg, A.V. A direct test of Listing's law--II. Human ocular torsion measured under dynamic conditions 27: 939.

FERRERA, V.P.
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FISHMAN, G.A.
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Alexander, K.R., Kilbride, P.E., Fishman, G.A. and Fishman, M. Macular pigment and reduced foveal short-wavelength sensitivity in retinitis pigmentosa 27: 1077.

FISHMAN, M.
Alexander, K.R., Kilbride, P.E., Fishman, G.A. and Fishman, M. Macular pigment and reduced foveal short-wavelength sensitivity in retinitis pigmentosa 27: 1077.

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FONG, S.-L.
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Snelgar, R.S., Foster, D.H. and Scase, M.O. Isolation of opponent-colour mechanisms at increment threshold 27: 1017.

FOSTER, R.G.
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FUKUDA, Y.
Wakakuwa, K., Watanabe, M., Sugimoto, T., Washida, A. and Fukuda, Y. An electron microscopic and analysis of the optic nerve of the eastern chipmunk (Tamias sibiricus asiaticus): total fiber count and retinotopic organisation 27: 1891.

FULTON, A.B.
Fulton, A.B. and Hansen, R.M. The relationship of retinal sensitivity and rhodopsin in human infants 27: 697.
Alpern, M., Fulton, A.B. and Baker, B.N. "Self-screening" of rhodopsin in rod outer segments 27: 1459.

FUNAKAWA, M.
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GEISLER, W.S.
Banks, M.S., Geisler, W.S. and Bennett, P.J. The physical limits of grating visibility 27: 1915.

GEORGESON, J.M.
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GEORGESON, M.A.
Georgeson, M.A. and Georgeson, J.M. Facilitation and masking of briefly presented gratings: time-course and contrast dependence 27: 369.
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GERI, G.A.
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GRAHAM, N.
Graham, N. and Robson, J.G. Summation of very close spatial frequencies: the importance of spatial probability summation 27: 1997.
GREENLEE, M.W.
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Greenlee, M.W. and Magnussen, S. Saturation of the tilt aftereffect 27: 1041.
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Gur, M. and Snodderly, D.M. Studying striate cortex neurons in behaving monkeys: benefits of image stabilization 27: 2081.
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HEIDE, W.
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HELD, R.
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JACOBS, A.M.
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JACOBS, G.H.
Jacobs, G.H. and Neitz, J. Polymorphism of the middle wavelength cone in two species of South American monkey: Cebus apella and Callicebus moloch 27: 1263.
Di, S., Neitz, J. and Jacobs, G.H. Early color deprivation and subsequent color vision in a dichromatic monkey 27: 2009.
Jacobs, G.H., Neitz, J. and Crognale, M. Color vision polymorphism and its photopigment basis in a callitrichid monkey (Saguinus fuscicollis) 27: 2089.
JACOBSON, L.D.
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JAFFE, E.H.
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JAFFE, M.J.
Jaffe, M.J., Levinson, P.D., Zimmlichman, R., Coen, J.C., Karson, C.N. and de Monasterio, F.M. The effect of metoclopramide on the Ganzfeld electroretinogram 27: 1693.
JANSEN, T.C.
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JARDON, B.
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KAWABATA, Y.
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KELLY, D.H.
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MCFADDEN, S.A.
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